



*Bringing Ideas to Reality*  
Case Studies



# Restructured LAN & Security for Bajaj Capital

## About Bajaj Capital

Bajaj Capital Ltd is one of India's premier Investment Advisory and Financial Planning companies. The Company is also SEBI-approved Category I Merchant Bankers.

The Company offers personalized Investment Advisory and Financial Planning services to individual investors, corporate houses, institutional investors, Non-Resident Indians (NRIs) and High Net-worth Clients, among others.

## Summary of the project:

Earlier Bajaj Capital's network was running on unmanaged Switches and unstructured cabling. They were having flat network only and the same IP schema was used for each department including Servers.

They were using mix switching product line i.e. Linksys and D-link for their network. No Security Gateway device was used at perimeter level and no restrictions were there for inbound and outbound traffic as, they were using Public IP on the servers to access the applications over internet for remote users/clients.

The whole network was running on Ethernet unstructured cabling and no other option was available in case of Ethernet connectivity issue to connect the network or to access the network resources i.e. Network printer, Servers etc..

Bajaj Capital were also having few businesses critical Servers installed on which critical application were running i.e. Web Servers, Mail Servers, ERP Server, Database Servers etc. The IT Management and team were really suffering with the Network issues and the maintenance of the same was a big task /challenge for them.





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### **Challenges:**

- Unmanaged, unstructured, unmanaged & non-documented cabling
- Mixed Cables – Cat 3, 5 & 6
- No network connectivity diagram resulting in longer Turnaround time
- LAN security concern
- No wireless connectivity available for redundant network connectivity
- Servers and End users systems got Virus infected due to non availability of security/UTM device in the network
- LAN/WAN users were unable to access internet due to internet bandwidth choking
- No network segmentation (VLANs)

### **Benefits to Bajaj Capital**

- Perimeter security & core switching on redundancy for high availability of the network
- Suitable documentation
- Easy troubleshooting for active & passive
- Easy move & add changes in network

### **Targus Proposition:**

- Restructured, revamped the entire cabling
- Configured Juniper Firewall and Core Switches in High Available architecture mode to provide redundancy in case of Hardware failure
- Configured EX4200 at the core layer and EX2200 at the Edge Layer of network
- Configured VLAN (as per the requirement), Inter-VLAN routing, Link Aggregation Control Protocol (LACP), Spanning Tree Protocol (STP) to reduce chocking / Broadcasting in the network and to provide loop free network
- Configured Juniper SRX240 Firewall at the perimeter of the Network to provide L4 security. Configured access lists to provide authorized access only between due to internet bandwidth choking
- Configured wireless solution on Juniper to provide redundancy in case of Ethernet connectivity unavailable, implemented Wireless controller with 8 Access Points
- For the centrally management of these devices we configured Juniper Network and Security Management system, through which we can also check Events, Alerts, Logs and Reports centrally of all the Juniper devices



**With Targus**  
There is, always a solution